

Amendments to the Drawing Figures:

A reference number 300 is added into FIG. 2 to indicate the claimed “electrical equipment” in Claim 6. No new matter is constituted.

REMARKS

The present amendment is in response to the Office Action mailed June 02, 2005, in which Claims 1-9 were rejected and the drawing are objected to. Applicant has thoroughly reviewed the outstanding Office Action including the Examiner's remarks and the references cited therein. The following remarks are believed to be fully responsive to the Office Action and, when coupled with the above amendments, are believed to render the claims at issue patentable.

Claims 1, 4, 6 and 8 are amended, and specification and FIG. 2 are amended. Applicant respectfully submits that no new matter has been added and that the originally filed specification, drawings, and claims support the amendments.

Drawing Objection under 37 CFR 1.83(a)

With respect to the Office Action, the drawings were objected to under 37 CFR 1.83(a). The claimed "electrical equipment" in Claim 6 must be shown or the feature(s) canceled from the Claim(s).

In response thereto, FIG. 2 is amended to add a reference number 300 to indicate the claimed "electrical equipment" in Claim 6. In addition, the paragraph 25 of the specification of the present application is also amended to add the electrical equipment 300 therein. Applicant respectfully submits that no new matter has been

added and that the originally filed specification, drawings, and claims support the amendments.

Claim Rejections Under 35 U.S.C. § 103 (a)

5 According to the Office Action, Claims 1-9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted Prior Art (APA) or Tsao et al. (US Patent 6,080,011) in view of Gardner et al. (US Patent 6,592,401) and Clarke et al. (US Patent 4,611,875).

10 Applicant respectfully traverses this rejection. Admitted Prior Art (APA) or Tsao et al. (US Patent 6,080,011) disclose that a density of contact holes, for coupling to the pins of the RJ-45 connector module, on a circuit board of the hub, is therefore increased. Both of the APA and Tsao lack to disclose a second connector configured on
15 an upper shell of the network or RJ-45 connector module to transmit power for the connector module with a power cord. In addition, the APA and Tsao also lack to disclose the power cord is coupled to the circuit board and meanwhile the pins of the network or RJ-45 connector module and the contact holes on the circuit board are
20 effectively reduced.

 Regarding to US 6,592,401, Gardner et al. disclose a combination connector capable of mating with a backplane. However, the power is bussed across the backplane 22 to the
25 combination connector 20 and the signal does not enter the backplane

22 and instead directly connects to the sub-component or device (col. 3, lines 33-36). The backplane 22 includes an aperture 54 therethrough through which the cable 44 is inserted. The cable 44 for transmitting signals is passed through the aperture 54 in the backplane 22, isolates from the backplane 22, and the power is routed onto the backplane 22.

Gardner et al. fail to teach or suggest that the power cord and the plurality of pins are all couple to the circuit board. Gardner et al. teach away from the cable coupling to the circuit board. The cable of Gardner is utilized to transmit signals and the backplane is utilized to transmit the power. That is, Gardner et al. isolate the signal cable from the backplane. Therefore, the cable and the backplane are not suitable for the network connector module and the RJ-45 connector module of the present application. The pins of RJ-45 connector or a network connector are mainly utilized to transmit signals for a network device and a hub. Therefore, if the signal pins isolate from the circuit board, the module needs serious quantity of cables to transmit the signals thereon.

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Regarding to US 6,592,401, Clarke et al. disclose a power adapter for use in connecting electrical power to a telephone station via a cross-connect jack. The power adapter has a plug-end for mating with the cross-connect field and a jack-end for receiving a

cross-connect patch cord. The power adapter includes a two-conductor permanently attached power cord.

Clarke et al. fail to suggest or teach how to reduce the quantity of the pins for coupling to a circuit board. The adapter of Clarke et al. adds a power cord 101 under the jack-end 30 of the adapter 10, and the power cord 101 extends through the body of the adapter 10 and terminates at the plug-end 11 of the adapter 10. Especially, the adapter 10 of Clarke et al. is not suitable to fix on the circuit board.

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However, the network connector module of the present application includes a plurality of phone jacks, a plurality of pins for coupling to a circuit board, and a second connector with a power cord coupling to the circuit board. All of the pins and the power cord are coupled to the same circuit board. The network connector module of the present application can utilize the second connector to separate the pins for transmitting power and signals, and reduces the quantity of the pins coupling to the circuit board. Therefore, the electrical equipment with the network connector module of the present application can be more easily and smoothly assembled. The manufacture quality and product yield can be enhanced. Furthermore, because the second connector can efficiently enlarge the safety distance between the pins for transmitting power and signals, the signal transmission quality is also enhanced.

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Gardner et al. suggest isolating the cable from the circuit board and the adapter of Clarke et al. is not suitable to fix on the circuit board. Accordingly, even in view of Gardner et al. and Clarke et al., the network connector module and the RJ-45 connector module of the present application are different from the subject matters of the cited references. Therefore, since the cited references fail to suggest or teach to utilize a second connector configured on the shell of the network connector module to transmit power with a power cord coupling to the circuit board, the network connector module or the electrical equipment with an RJ-45 connector module are not obvious.

Applicant respectfully submits that amended independent Claims 1 and 6 are allowable over the cited references. In addition, Claims 2-5 and 7-9 depend on Claims 1 and 6 respectively, and add further limitations thereto, are also allowable over the cited references.

Accordingly, in view of the invention as a whole, applicant respectfully submits that Claims 1-9 are not obvious in view of the cited references and respectfully requests withdrawal of the rejection under 35 U.S.C. § 103(a). Now that the rejections in the Office Action have been overcome, withdrawal of the rejections and expedited passage of the application to issue are respectfully requested.

CONCLUSION

In light of the above amendments and remarks, Applicant

respectfully submits that all pending claims as currently presented are in condition for allowance and hereby respectfully request reconsideration. Applicant respectfully requests the Examiner to pass the case to issue at the earliest convenience.

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Applicant has thoroughly reviewed the art cited but not relied upon by the Examiner. Applicant has concluded that these references do not affect the patentability of the claims as currently presented. Applicant does not believe that filing of this Amendment will incur additional fees. However, the Commissioner is authorized to charge any fees due and credit any overpayments to the Glenn Patent Group Deposit Account No. 07-1445, Customer No. 22862.

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Respectfully submitted,

A handwritten signature in cursive script that reads "Julie A. Thomas". The signature is written in dark ink and is centered below the "Respectfully submitted," text.

Julia A. Thomas

Reg. No. 52,283

20 Customer No. 22,862